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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,374	09/18/2003	Eldad Zeira	I-2-0395.1US	8496
24374	7590 09/19/2006		EXAMINER	
VOLPE AND KOENIG, P.C.			PHUONG, DAI	
DEPT. ICC UNITED PLAZA, SUITE 1600			ART UNIT	PAPER NUMBER
30 SOUTH 17TH STREET			2617	
PHILADELPHIA, PA 19103			DATE MAILED: 09/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
·	10/666,374	ZEIRA ET AL.
Office Action Summary	Examiner	Art Unit
	Dai A. Phuong	2617
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		•
1) Responsive to communication(s) filed on 14 July 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) Claim(s) is/are pending in the applicatio 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-70 are subject to restriction and/or example. Application Papers	vn from consideration.	
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4)	ate
Paper No(s)/Mail Date	6) Other:	

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-48 and 51-65, drawn to receiving a plurality of communication signals; selecting communication signals of the plurality of communication signals, the selected communication signals including each desired communication signal and at least one undesired communication signal originating from another cell, the selected communication determined by identifying the another cell and identifying the selected undesired communication of the another cell; producing a channel estimate for each selected communication signal, classified in class 455, subclass 452.2.
 - II. Claims 49-50, drawn to an antenna receiving a plurality of communication signals; a plurality of channel estimation devices, each channel estimation device for estimating channel responses for a particular cell's transmissions; a plurality of blind code detection devices, each blind code detection devices for detecting codes used in a particular cell; a code selection device selects codes based on a result of each blind code detection device; a channel estimate combiner for producing estimated channel responses corresponding to the selected codes, classified in class 455, subclass 439.
 - II. Claims 66-70, drawn to the communication selecting device selectively operates in a plurality of modes, the modes including a first mode where only communication signals from a cell of the communication selecting device are

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selected and a second mode where communication signals from multiple

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identified cells are potentially selected, classified in class 455, subclass 127.4.

2. Inventions I, II and III are unrelated. Inventions are unrelated if it can be shown that they

are not disclosed as capable of use together and they have different modes of operation, different

functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different

inventions are distinct, each from the other because of the following reason: invention I which

discusses the selected communication signals including each desired communication signal and

at least one undesired communication signal originating from another cell, the selected

communication determined by identifying the another cell and identifying the selected undesired

communication of the another cell; producing a channel estimate for each selected

communication signal, classified, while invention II which discusses to a plurality of blind code

detection devices, each blind code detection devices for detecting codes used in a particular cell;

a code selection device selects codes based on a result of each blind code detection device; a

channel estimate combiner for producing estimated channel responses corresponding to the

selected codes, and while invention III which discusses the communication selecting device

selectively operates in a plurality of modes, the modes including a first mode where only

communication signals from a cell of the communication selecting device are selected and a

second mode where communication signals from multiple identified cells are potentially

selected. Note each group has different functions. Thus, the search area of group I is different

from the search area of group II, as well as group III.

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3. A telephone call was made to Thomas A. Mattioli on 09/12/2006 to request an oral

election to the above restriction requirement, but the examiner was unable to reach the attorney,

Thomas A. Mattioli.

4. Application is advised that the reply to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed (37 CFR

1.143)

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dai A Phuong whose telephone number is 571-272-7896. The

examiner can normally be reached on Monday to Friday, 9:00 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nguyen Duc can be reached on 571-272-7503. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dai Phuong AU: 2617

Date: 09-12-2006

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600